

U. S. DEPARTMENT OF AGRICULTURE.

REPORT FOR APRIL, 1899.

KENTUCKY SECTION

OF THE

CLIMATE AND CROP SERVICE

OF THE

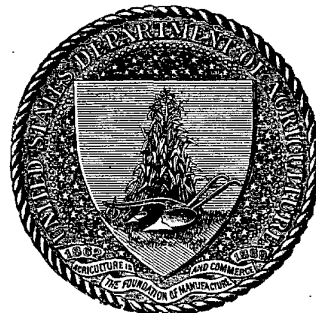
WEATHER BUREAU.

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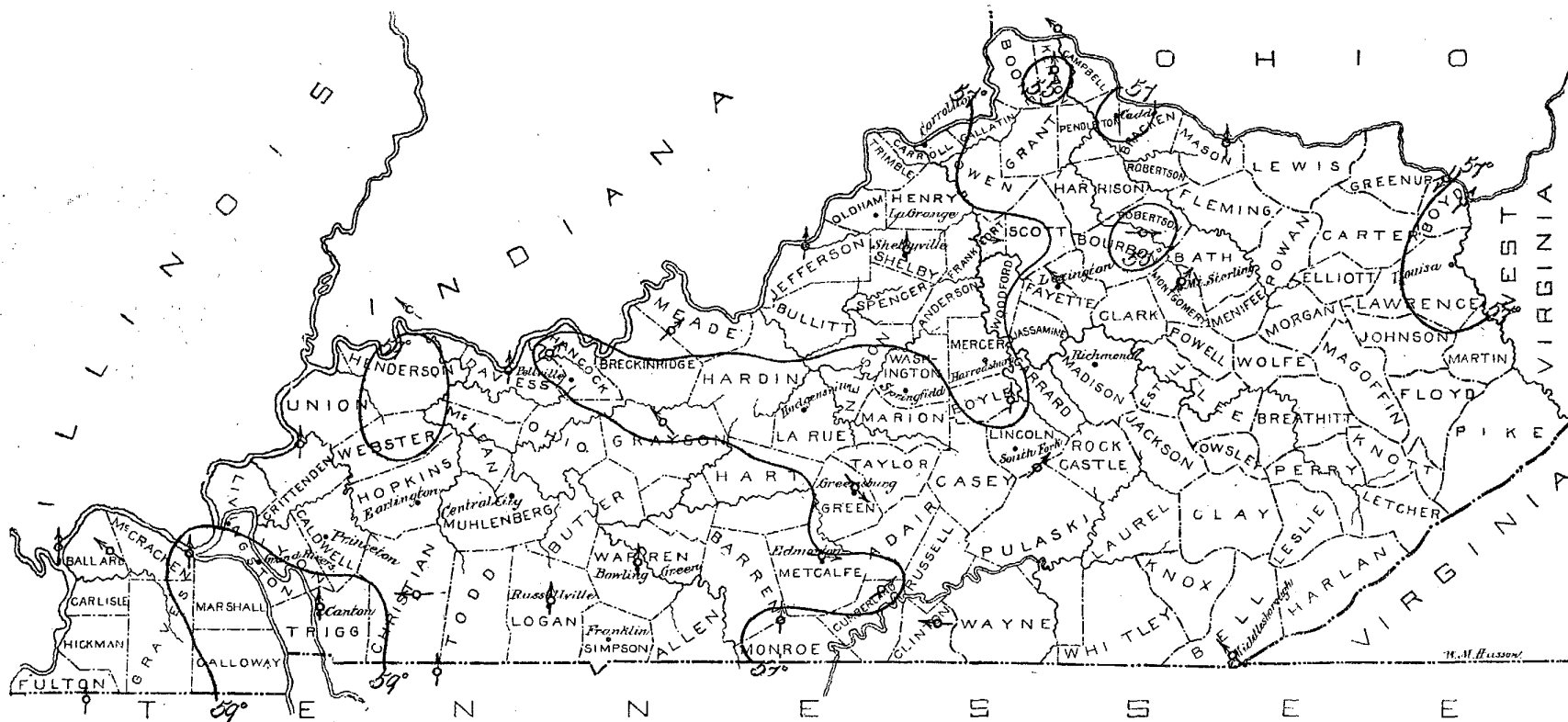
UNDER DIRECTION OF
WILLIS L. MOORE
CHIEF OF WEATHER BUREAU

BY

H. B. HERSEY,
LOCAL FORECAST OFFICIAL AND SECTION DIRECTOR,
LOUISVILLE, KY.



MONTHLY MEAN ISOTHERMS AND WIND DIRECTION, APRIL, 1899.



Arrows fly with the wind.

U. S. DEPARTMENT OF AGRICULTURE,

CLIMATE AND CROP SERVICE

OF THE

WEATHER BUREAU.

CENTRAL OFFICE: WASHINGTON, D. C.

KENTUCKY SECTION:

H. B. HERSEY, Section Director.

LOUISVILLE, KY.

Vol. IV.

LOUISVILLE, KY.

No. 4.

WINTER WHEAT. The Division of Statistics of the Department of Agriculture has issued a report giving very full information relative to the condition of grain throughout the country. During the most of the month of April the weather conditions were unusually favorable for winter wheat in Kentucky, so that considerable improvement has been noted in the crop in this section.

The following is taken from the report referred to:

"The average condition of winter wheat on April 1st was 77.9, against 86.7 on April 1, 1898, 81.4 on April 1, 1897, and a ten-year average of 84.4. The averages for the principal winter wheat States are as follows: Pennsylvania, 89; Texas, 71; Tennessee, 71; Ohio, 86; Michigan, 75; Indiana, 72; Illinois, 74; Missouri, 73; Kansas, 66; California, 93. Of the thirty States producing winter wheat, twenty, containing over 69 per cent. of the total winter wheat acreage, report a condition below their respective ten-year averages.

"While the average in Pennsylvania is 1.2 points below the average for the last ten years, reports are, in the main, encouraging. The plant is not as tall as it usually is at this season, but it is well set, strong and healthy. Reports from Texas are almost uniformly unfavorable, and the crop is evidently in a precarious condition from want of rain. Only twice in the last fifteen years has the April condition been so low in Tennessee as at the present time. The sowing was later than usual, and wet weather set in before it was completed; continued rain, with extreme cold at intervals, has injured all the late sown wheat and considerably retarded the growth of the early sown. In Ohio, during the coldest weather, the crop was well protected by snow, and while there are many brown and spotted fields, the complaints of general condition are not serious, reports indicating that the roots are well set and possessed of a normal vitality. Fall sowing was attended by favorable weather conditions throughout. Michigan is another State in which the April condition has been lower than at present only twice in fifteen years. The wheat fields presented an exceedingly discouraging appearance when the present covering of snow came, but farmers cling to the hope that there is enough vitality left in the roots to make a fair crop. In Indiana there is a remarkable non-uniformity of condition. In about one-half of the counties, cold of extraordinary severity found the crop entirely unprotected by snow. In other parts of the State, however, there was more than the usual amount of cover, both as to depth and duration. The present condition is more or less problematical, but the probabilities are distinctly unfavorable. In Illinois the early sown wheat promises to make a fair average crop, but much of the late sown is believed to have been winterkilled. The condition in Missouri, while exceedingly discouraging, is not easy to determine on a percentage

basis, but it can not be placed at more than 73 on the testimony of either the State, county or township correspondents. Considering the conflicting reports that have appeared in the public press with regard to the condition in Kansas, the close agreement of the Department's three independent crop-reporting agencies in this State is more than was to have been expected, and renders it a matter of no doubt that the condition is only about two-thirds of the normal. This low average is due to alternate thawing and freezing, and to extreme cold with lack of covering. With an average of 93, or 10.3 points above the mean of the past ten years, California constitutes the only really notable exception to that unfavorable condition of winter wheat which is reported from almost every part of the country."

WEEKLY CROP BULLETIN.

Week ending Monday, April 10th—The season so far has been very unfavorable for farm work, as well as for the advancement of crops and all vegetation. Frequent rains have retarded all farm work and cold, unseasonable weather has kept back vegetation in general. Farm work is now nearly a month behind and there is scarcely a leaf visible on even the earliest of trees. The early sown winter wheat has advanced slowly and is in good condition generally, but late sown will be a failure in most localities. The peach crop is probably entirely ruined. Some other varieties of fruit are injured in some localities, but not generally so.

Week ending Monday, April 17th—Generally fair, warm weather with abundant sunshine prevailed during most of the week, only a few light showers being reported. The temperature fell considerably during the night of the 15th and some frost was reported on the mornings of the 16th and 17th, but no serious injury resulted, as crops were not advanced enough to be injured. Farm work has progressed rapidly. Plowing, planting of gardens and potatoes have been the chief occupation of farmers.

Early sown wheat has made excellent progress during the week and some of the late sown fields show improvement, but others will be plowed in and the land planted to corn. The wheat crop, as a whole, will be considerably below the average. Tobacco plants are coming up slowly. Apples, pears, plums and cherries are beginning to bloom and give promise of being a good crop.

Week ending Monday, April 24th—The week opened up a little cool, but soon turned warm and was very favorable for farm work and plant growth. The western part received some nice showers which were quite beneficial, and the week closed with warm, showery weather in progress, which will probably give the desired rain in the eastern part. Under the favorable conditions, everything progressed finely. Oats were sown, plowing was pushed as rapidly as possible and considerable corn was planted. Gardening was continued very satisfactorily. Trees are becoming green. Apple, pear and cherry trees are beginning to bloom. Early sown winter wheat is making good growth, but in some localities it is thin and uneven; the late sown is very poor and some of this is being plowed up for corn. Tobacco plants are doing well. Pastures have improved very rapidly and are now in good condition.

Week ending Monday, May 1st—The weather has been very favorable to all agricultural interests. The temperature averaged considerably above the normal and there was abundant sunshine. During the first of the week all parts of the State were visited by nice showers; these were of great benefit in the eastern portion, where the ground was getting too dry to plow. Farm work progressed rapidly. Plowing for corn is well along and probably about half the crop is now planted. Winter wheat shows great improvement, and some fields that looked like failures now bid fair to give something of a yield. Tobacco land is being prepared as rapidly as possible and the young plants are doing well. Clover is doing very well. Pastures have continued to improve. Gardens are doing well; early vegetables are coming up nicely. Apples, pears, cherries and plums are in full bloom and prospects are favorable for a good fruit crop, except peaches and blackberries.

CLIMATIC SUMMARY.

On the 1st and 2d an area of high barometer passed over the Great Central Valleys, bringing the coldest weather of the month to Kentucky. The temperature went considerably below freezing for several days, but owing to the season being so backward no serious damage resulted. The weather continued cool until about the 10th when it reached the normal, and from that date warm weather prevailed during the remainder of the month, the last five days being excessively warm.

From the 6th to 8th, inclusive, copious rains occurred, caused by the passage of an area of low barometer from the Gulf to the North Atlantic Coast. Heavy rains occurred again from the 22d to 24th; this was followed by warm, dry weather until the end of the month.

Temperature (Deg. Fahr.).

The mean temperature for the month was 57.2 (determined from the records of forty-seven stations). The average deficiency was about one-tenth of a degree. The temperature averaged below normal over the Western Section and the south portion of the Central Section; the Eastern Section and north portion of the Central Section report an excess.

The highest monthly mean was 60.0, at Henderson, and the lowest was 54.4, at Jackstown. The highest temperature reported was 96, at Russellville on the 28th; and the lowest was 20, at Russellville on the 1st. The maximum for the month occurred at most stations on the 29th and 30th, and the minimum on the 1st and 2d.

Precipitation.

The average for the State was 3.16 inches, which is about three-fourths of an inch below normal. There was a slight excess of rainfall over the west and south portions of the Central Section; all other parts of the State report a deficiency. Less than 2.00 inches of rainfall was reported from the extreme northern counties. The greatest total for the month at any station was 4.75 inches, at Burnside; the least 1.35 inches, at Vanceburg. No excessive rainfall occurred at any station. The average number of days with .01 of an inch or more of precipitation was 9.

Weather.

There was a little more than the usual amount of sunshine. The average number of clear days was 13, partly cloudy 8, and cloudy 9.

Miscellaneous Phenomena.

Thunderstorms.—Alpha, 24; Canton, 24; Edmonton, 25; Leitchfield, 23, 28; Louisville, 28; Maysville, 28; Middlesboro, 24, 25; Scott, 28; St. John, 23, 25, 28; Williamsburg, 24.

Solar Halo.—Louisville, 2.

Lunar Halo.—Hopkinsville, 21; Middlesboro, 21.

Lunar Corona.—Loretto, 2, 14, 17, 18, 22; Middlesboro, 22, 23.

Fog.—Fords Ferry, 25; Hopkinsville, 24; Middlesboro, 27; Scott, 25.

Hail.—Alpha, 8; Canton, 8; Catlettsburg, 8; Henderson, 8; Irvington, 28; Lexington, 9; Middlesboro, 25; Mount Herman, 24; Scott, 28.

Sleet.—Edmonton, 4; Middlesboro, 9; Russellville, 3; Shelby City, 8.

Last Killing Frost or Last Temperature of 32° or Below.

Alpha	10	Georgetown	8	Mt. Sterling	17
Ashland	17	Greensburg	16	Owensboro	9
Bardstown	10	Henderson	4	Owenton	9
Blandville	9	Hopkinsville ...	9	Paducah	2
Bowling Green .	4	Irvington	9	Princeton	8
Carrollton	9	Jackstown	17	Richmond	9
Catlettsburg	5	Leitchfield	10	Russellville	16
Earlington	9	Loretto	17	Scott	9
Edmonton	10	Louisville	5	Shelby City	17
Ensor	9	Marrowbone	17	Shelbyville	9
Eubank	17	Maysville	17	Saint John	10
Fords Ferry	9	Middlesboro	17	Vanceburg	17
Frankfort	5	Mt. Herman	9	Williamsburg ..	10

Atmospheric Pressure and Wind.

Mean barometer, 30.07. Prevailing direction, South.

Stations.	Barometer.			Wind Velocity.			
	Mean	Highest	Lowest	Average hourly	Maximum	Direction	Date
Cairo, Ill.	30.03	30.35	29.72	9.5	36	N	15
Cincinnati, Ohio.	30.06	30.41	29.79	7.5	28	N W	15
Evansville, Ind.	30.07	30.37	29.82	7.9	32	S	11
Knoxville, Tenn.	30.08	30.33	29.72	7.7	30	W	7
Nashville, Tenn.	30.07	30.36	29.77	8.3	30	S	18
Lexington	30.10	29.39	29.75	10.8	35	N	15
Louisville	30.05	30.39	29.74	9.0	30	N W	15

Table of Comparison for April.

Year.	Temperature	Departure	Precipitation	Departure	Year.	Temperature	Departure	Precipitation	Departure
1889	57.0	- 0.2	1.61	- 2.5	1895	57.2	+ 0.0	3.18	- 0.9
1890	57.0	- 0.2	4.04	- 0.1	1896	63.6	+ 6.4	1.65	- 2.5
1891	58.0	+ 0.8	2.52	- 1.6	1897	55.5	- 1.7	6.03	+ 1.9
1892	56.0	- 1.2	7.12	+ 3.0	1898	52.4	- 5.0	3.38	- 0.8
1893	58.0	+ 0.8	6.99	+ 2.9	1899	57.2	- 0.1	3.16	- 0.81
1894	56.0	- 1.2	3.54	- 0.6					

OBSERVERS' NOTES.

Edmonton—Thunderstorm on the 25th; about one inch of hail fell.

Fords Ferry—The first half of the month was not favorable to farming operations, last half very favorable to farm work and growing crops. Wheat improving, but will not be a full crop. Fruit promising except peaches.

Henderson—An earthquake was observed on the 29th, at 8:04 and 57 seconds P. M.; it lasted about three seconds.

Irvington—There was an earthquake on the night of the 29th at about 8:00 P. M., lasting about fifteen seconds.

Owensboro—Cherry, plum and crab apple trees were in bloom by the 14th and apple trees by the 22d. Martins arrived on the 5th.

Scott—Frogs were croaking on the 11th and butterflies were seen on the 12th.

Shelby City—The last half of the month has been very favorable to the growth of all vegetation.

Climatological Data for April, 1899.

STATIONS.	Counties.	Elevation, feet.	Length of record, years.	Temperature, in degrees Fahrenheit.							Precipitation, in inches.					Sky.				Prevailing direction of wind.	Observers.
				Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Total.	Departure from the normal.	Greatest in 24 hours.	Total snow fall (unmelted).	Number rainy days.	Number clear days.	Number partly cloudy days.	Number cloudy days.			
WESTERN SECTION.																					
Blandville.....	Ballard.....	445	6	57.0	-1.2	86	28*	25	1	29	3.77	-0.21	1.16	0.1	10	7	10	13	s e	E. W. Horr.	
Bowling Green.....	Warren.....	500	12	58.9	-0.7	87	28*	25	1	32	4.14	-0.42	1.20	.....	11	21	6	3	s	Mrs. M. H. Crump.
Cairo..... Ill.	Alexander.....	359	28	58.4	-1.0	88	29	27	1	25	2.33	-1.44	.....	.....	13	8	10	12	s	Weather Bureau.
Canton † §.....	Trigg.....	300	10	59.4	-0.4	91	29	30	1	24	2.78	-2.18	0.80	.....	8	18	3	9	s	C. H. Major.
Clarksville..... Tenn.	Montgomery.....	481	18	58.5	-1.1	88	29	28	1	34	4.24	-0.62	1.18	.....	10	15	7	8	s	Prof. J. A. Lyon.
Earlington.....	Hopkins.....	370	9	58.4	-0.9	92	29	26	2	40	2.59	-2.60	0.84	0.5	10	9	14	7	.....	J. B. Atkinson.
Ensor.....	Daviess.....	3	5	56.7	.....	89	29	25	1	35	2.33	.....	0.80	.....	10	6	17	7	s w	Chas. F. Horn.
Evansville..... Ind.	Vanderburg.....	434	5	58.4	0.0	90	29	26	1	27	2.64	-0.68	1.11	.....	9	11	13	6	s e	Weather Bureau.
Fords Ferry.....	Crittenden.....	6	57.4	-1.0	90	29*	27	1	37	3.97	-0.19	1.05	1.0	6	6	18	6	s	J. W. Paris.		
Henderson.....	Henderson.....	382	6	60.0	0.0	91	29	28	1	29	2.90	-0.83	0.75	.....	8	18	5	7	.....	Lee Oberdorfer.
Hopkinsville.....	Christian.....	524	4	58.8	.....	92	29	26	1	37	3.05	0.76	T.	.....	8	20	4	6	e	Jas. M. Howe.
Owensboro.....	Daviess.....	479	4	57.9	.....	90	29	27	2*	36	2.26	0.76	T.	.....	10	19	6	5	s	E. W. Wood.
Paducah.....	McCracken.....	341	7	59.7	-1.2	93	29	27	1	36	3.65	-1.00	0.95	.....	10	14	9	7	s	W. Bornemann.
Princeton.....	Caldwell.....	455	9	58.5	0.0	92	29	28	1	35	3.70	-0.56	0.90	.....	8	14	6	10	.....	Prof. J. M. Richmond.
Russellville.....	Logan.....	534	8	57.8	-1.2	96	28	20	1	39	3.47	-1.76	0.62	.....	11	7	7	16	s	Robert M. Henning.
Union City..... Tenn.	Obion.....	346	5	57.8	-1.6	89	27	27	1	28	1.55	-2.39	0.70	T.	5	17	6	7	s	W. P. Noah.	
CENTRAL SECTION.																					
Alpha †.....	Clinton.....	6	55.2	-3.0	84	30	24	1	24	3.95	+0.02	1.04	0.3	7	16	4	10	e	W. W. Hicks.		
Bardstown.....	Nelson.....	637	4	56.6	.....	91	30	25	2	35	2.97	0.95	.....	.....	11	15	6	9	.....	G. M. Talbott.
Burnside.....	Pulaski.....	773	4	.....	.....	91	30	25	2	35	2.97	0.95	T.	.....	11	11	2	17	.....	Norman I. Taylor.
Byrdstown..... Tenn.	Pickett.....	1026	7	57.9	+1.1	88	29*	25	2	40	6.10	+1.14	1.80	0.6	10	10	13	7	.....	J. C. Chilton, M. D.
Caddo.....	Pendleton.....	10	10	.....	.....	88	29*	25	2	40	6.10	+1.14	1.80	0.6	10	10	13	7	.....	L. W. Bonar.
Carrollton.....	Carroll.....	472	8	58.4	+1.8	91	30	28	2*	28	1.54	-1.45	0.40	.....	8	.....	.....	.....	.....	P. E. Manewal.
Cincinnati..... Ohio.	Hamilton.....	628	29	56.4	+1.0	87	29	25	2	29	1.21	-1.76	.....	.....	10	10	9	17	s e	Weather Bureau.
Edmonton.....	Metcalfe.....	600	9	57.0	+0.1	86	29	26	1	34	4.42	+0.04	1.12	1.0	10	6	18	6	w	Miss Lee Ray.	
Elmank.....	Pulaski.....	1177	6	55.4	-0.2	90	29	22	1	35	4.17	+0.27	1.30	.....	9	17	4	9	s w	Mrs. Lida L. Whyland.
Falmouth.....	Pendleton.....	539	5	.....	.....	87	28*	26	2*	35	1.79	+0.27	0.44	.....	7	.....	.....	.....	.....	J. V. Oldham.
Frankfort.....	Franklin.....	560	10	57.2	+1.3	87	30	27	2	32	2.39	-1.20	1.01	T.	6	9	12	9	w	Jacob Swigert.	
Georgetown.....	Scott.....	874	6	57.1	.....	86	30	24	1	25	.....	.....	.....	.....	.....	.....	.....	.....	.....	Prof. J. T. Eastwood.
Greensburg.....	Greene.....	581	8	56.8	-0.2	90	29	26	5*	42	4.02	+0.10	1.02	.....	12	14	0	16	n w	L. C. Alcorn.
Irvington.....	Breckinridge.....	2	57.5	.....	.....	87	28*	25	1	34	4.41	1.82	0.5	11	18	3	9	s w	W. J. Piggott.	
Leitchfield.....	Grayson.....	635	5	57.0	.....	87	28*	26	2*	35	3.88	.....	1.48	2.0	8	19	5	6	s e	Juo. E. Stone.
Lexington.....	Fayette.....	989	16	55.8	+2.0	86	29	24	2	30	2.16	-1.43	0.73	T.	11	10	11	9	s e	Weather Bureau.	
Loretto.....	Marion.....	686	2	56.8	.....	87	29*	26	1	42	2.59	0.90	T.	.....	7	14	5	11	.....	Loretto Academy.
Louisville.....	Jefferson.....	525	28	58.4	+1.0	89	29	27	2	32	3.50	-0.66	1.37	0.4	10	11	7	12	s	Central Office.	
Lyndon.....	Jefferson.....	581	3	.....	.....	89	29	26	9	43	3.16	.....	1.25	T.	8	2	23	5	s w	Col. C. W. Fowler.
Marrowbone.....	Cumberland.....	5	57.8	.....	.....	89	29	26	9	43	3.16	.....	1.25	T.	8	2	23	5	s w	W. R. Davis.
Mount Herman.....	Monroe.....	500	2	56.5	.....	84	27*	24	1	36	4.28	.....	1.03	T.	9	20	2	8	s	R. S. Plumlee, M. D.
Owenton.....	Owen.....	700	4	55.6	.....	86	29*	24	1	31	2.91	.....	1.15	.....	9	10	13	7	.....	J. T. Walker.
Richmond.....	Madison.....	926	11	55.6	-0.9	90	29	24	2	38	3.41	-0.28	0.97	T.	10	10	10	10	.....	Prof. R. M. Parks.
Saint John.....	Hardin.....	749	4	56.8	.....	86	29	24	2	36	4.02	.....	1.49	1.0	11	12	17	7	.....	Bethlehem Academy.
Scott.....	Kenton.....	2	54.6	.....	.....	86	29*	22	2	32	1.49	0.84	T.	.....	9	10	11	9	s	E. B. Wilson.
Shelby City.....	Boyle.....	1087	2	57.4	.....	92	29	23	2	44	3.44	.....	1.00	T.	12	11	15	4	s	W. E. Grubbs.
Shelbyville.....	Shelby.....	695	12	58.4	+2.0	92	29*	24	2	40	2.14	-1.22	0.70	T.	6	10	15	5	s	H. W. Preissler, M. D.	
Williamsburg.....	Whitley.....	939	4	56.0	.....	89	30	28	5	38	4.23	.....	1.20	.....	9	16	3	11	.....	Mrs. Ruth Inman.
EASTERN SECTION.																					
Ashland §.....	Boyd.....	530	4	56.8	.....	89	20*	27	5	41	.....	.....	0.81	T.	8	7	15	8	n e	A. A. Adkins.
Catlettsburg.....	Boyd.....	544	7	57.6	+2.0	95	23	28	5*	45	2.69	-0.84	0.81	.....	8	10	5	15	s w	Thos. E. Jones.
Jackstown.....	Nicholas.....	3	54.4	.....	.....	89	30	25	5*	40	3.00	.....	1.75	.....	2	20	0	10	w	J. W. Harrison.
Maysville.....	Mason.....	524	4	55.6	.....	94	30	24	5	40	1.84	0.64	T.	.....	10	16	5	9	s	M. F. Marsh.
Middlesboro.....	Bell.....	1128	8	55.6	-0.9	91	30	25	5*	45	3.75	-0.70	1.42	0.2	9	16	3	11	s e	John Sanderson.	
Mount Sterling.....	Montgomery.....	930	11	55.6	+1.4	88	30	26	2*	36	3.94	+0.29	1.77	T.	7	13	12	5	s w	Jas. O'Connell.	
Sandyhook.....	Elliott.....	1280	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Loma Ward.
Sergeant.....	Letcher.....	1280	4	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	W. B. Webb.
Southfork †.....	Owsley.....	981	8	.....	.....	88	29*	25	5	39	1.35	.....	1.00	.....	2	27	1	2	.....	A. B. Gilbert.
Vanceburg.....	Lewis.....	4	55.2	.....	.....	88	29*	25	5	39	1.35	.....	1.00	.....	2	27	1	2	.....	J. W. Mathewson.
Means for State.....	.....	.....	.....	57.2	-0.1	.....	.....	.....	.....	.....	3.16	-0.81	.....	0.3	9	13	8	9	s	.....

‡ Mean temperature determined from 7+2+9+9 (o'clock observations) ÷ 4, and extremes from observed readings.

† Mean from 8+8-2 and extremes from observed readings.

* And other dates.

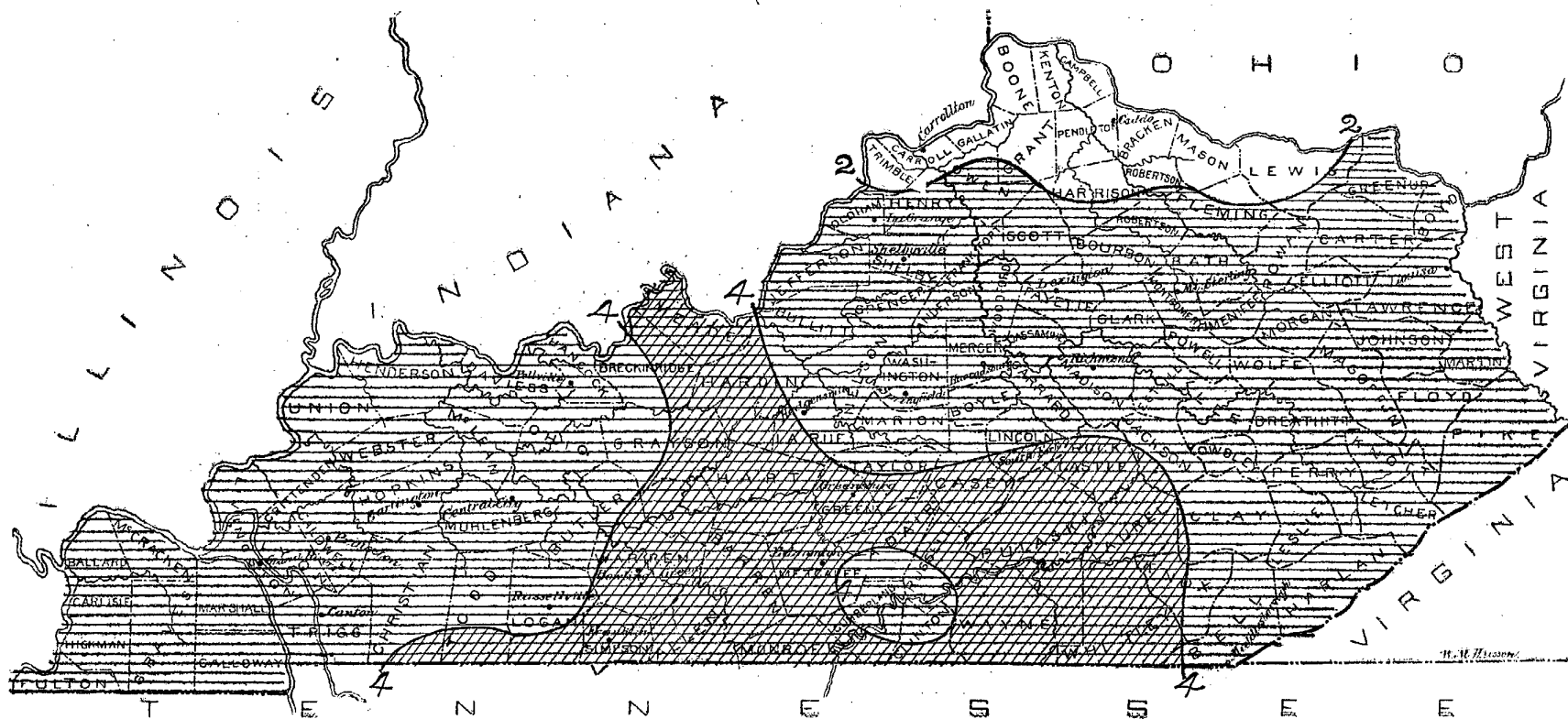
§ Not from standard rain gauge.

NOTE—All records are used in determining State or district means, but State and district departures are determined by comparison of current data of only such stations as have normals. Letters of the alphabet following the name of the station indicate the number of days missing from month's report, thus: (a), one day; (b), two days; (c), three days; etc. T. Trace.

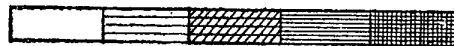
Daily Maximum and Minimum Temperatures. April, 1899.

[illegible]

TOTAL PRECIPITATION, APRIL, 1899.



SCALE OF SHADES, IN INCHES:



Under 2 2 to 4 4 to 6 6 to 8 over 8

Daily Precipitation, April, 1899.

STATIONS.	Day of month.																															Total.		
	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	12.	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	25.	26.	27.	28.	29.	30.	31.			
WESTERN SECTION.																																		
Blandville.....			.54			.24	.61	.11						.18				.01		.31		.31	1.16	.30									3.77	
Bowling Green.....			.82			.84	.19	.12						.17				.06				.57	1.20	.17									4.14	
Cairo..... Ill.		.23	.12			.15	.43	.04						.10				.18	.01	.12		.28	.49	.17	.01			†					2.33	
Canton §.....		.80				.60	.24							.01				.01				.42	.70	.40									2.78	
Clarksville..... Tenn.		.70	.48			.10	.90	.24						.05				.54				.45	.32	.46									4.24	
Earlington.....			.84			.70	.26	.03						.20		.21		.04				.16	.08	.07									2.59	
Ensor.....		.30	.30			.14	.73	.13						.07				.37	.07			.14	†	.08									2.33	
Evansville..... Ind.		.24	.07			.19	.72	†						.05				.17	.94			†	.10	.16									2.64	
Fords Ferry.....			.92				1.05	.15						†				.60			†	1.00	.25										3.97	
Henderson.....			.75			.63	.46	†						.04			.07	.68				.09	.18										2.90	
Hopkinsville.....			.63		†	.76	.30	†						.14				.30			†	.49	.19	.24									3.05	
Owensboro.....			.28	.32		.09	.76	.04						.08				.47	.05				.07	.10									2.26	
Paducah.....		.70				*	.80	.15	†					.10				.10	.27			.50	.95		.08								3.65	
Princeton.....		.90		.80		.25	†							.16				.35				.31	.64	.29									3.70	
Russellville.....		.42	.54			.20	.62	.15						.23				.31	.07				.52	.25	.16								3.47	
Union City..... Tenn.		†				.70	.13	†					†	.10				†				.10	.50	†									1.55	
CENTRAL SECTION.																																		
Alpha.....			.47	.03			.90	.44						.10				†				1.04	.97	†									3.95	
Bardstown.....			.07	.10			.70	.44	.07									.05	.12				.30	.12	.95	.05							2.97	
Burnside.....		.15	1.02	.01			1.20	.60	.07						.06			.17	.05				.41	1.01					†				4.75	
Byrds town..... Tenn.		.98	.68			.24	1.10	.16						.07				.13				†	1.80	.76	.18						†		6.10	
Caddo.....																																		
Carrollton..... Ohio.	†	†				.10	.40	.38							†			.14	.08				.12	.24					.08				1.54	
Cincinnati.....						.04	.65	.01		.01						.01		.03	.03				†	.34	.03				.06				1.21	
Edmonton.....		.30	.58			.25	1.12	.13						.15		.11						†	.39	.54	.85								4.42	
Eubank.....		.65				1.30	.60	.10						.07				.24					.50	.68	.03								4.17	
Falmouth.....		†					.38	.43	.06	†													.06	.27	.15								1.79	
Frankfort.....			.02			†	.62	.43										.03	.28				1.01										2.39	
Greensburg.....		.06	.65			1.02	.42	.06							.15			.15	.09			.25	.09	1.01	.07								4.02	
Irvington.....		.20	.15			.15	.68	.27							†			.27	.09			†	.09	1.82						.52	.20		4.41	
Leitchfield.....			.38			.47	.68	.22	†					.14				.22				†	.74	1.03									3.88	
Lexington.....	†		.03			.68	.24	.01						.03				.32	.01				.17	.52	.08								2.16	
Loretto.....		.02	.03			.01	.88	.35						†					†				.90	.40									2.59	
Louisville.....		.04				.10	.75	.28						†				.19	.37				.22	1.34	.03				.18	†			3.50	
Lyndon.....																																		
Marrowbone.....			.82			*	1.25	.05	†					†	.05			.04	†			†	.45	.50									3.16	
Mount Herman.....		.43	.51			.30	1.03	.25	†					.15	†				†			†	.37	.72	.52								4.28	
Owenton.....			†			*	1.15	.52							.05			*	.50			*	.15	.54					†				2.91	
Richmond.....		.04	.05			.97	.80	.23						.03				.22				.18	.50	.14									3.16	
Saint John.....		.38	.36			.24	.84	.26						.07				.22	.01			†	.14	1.49					.01				4.02	
Scott.....						.07	.84	.03		.02					†			.09	.02				†	.12	.03				.27	†			1.49	
Shelby City.....			.17	.18		.23	1.00	.40	.03					.03				.35	.02				.47	.54	.02								3.44	
Shelbyville.....		†				.12	.70	.24						†				.28					.20	.60					†				2.14	
Williamsburg.....		†	1.10		.10		.50	.75	.15						.18			†	†				.10	.15	1.20	†			†				4.23	
EASTERN SECTION.																																		
Ashland §.....							.59	.54	.47		.03				.17	.05			†						.81	.03							2.69	
Catlettsburg.....								1.75																	1.25								3.00	
Jackstown.....							.40	.43	.12		.04										.12			.04	.64	.01		.03	†				1.84	
Maysville.....	†	†				.20	.80	.10	.06														.01	.82	.94								3.75	
Middlesboro.....		.25	.57																															
Mount Sterling.....		.11						1.77						.04	†			.17					.03	.87	.95								3.94	
Sandyhook.....																																		
Sargent.....																																		
Southfork.....																																		
Vanceburg.....								1.00	.35																									1.35
Average for State.....																																		3.16

* Amount which fell on this day is included in next measurement.

† A sprinkle of rainfall in amount less than .01 inch.

§ Not from standard gauge.